Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A data transfer method of transferring ~~digital~~ image data comprising the steps of:

detecting the data transfer capability of a transmission channel and a transfer end;

changing the compression ratio of the ~~digital~~ image data corresponding to the data transfer capability and a processing mode selected in correspondence to a type of objective original;

compressing the ~~digital~~ image data by replacing colors in a small region to be a unit of the image data processing with at least one approximate color corresponding to the changed compression ratio; and

transferring the compressed ~~digital~~ image data to the transfer end.

2. (Currently Amended) A data transfer method according to claim 1 or 7, in which the step of changing of the compression ratio involves a step of selecting whether the image data should be compressed or not.

3-5. (Cancelled)

6. (Currently Amended) A data transfer method according to claim 1 [[5]], wherein the type of original is at least one of the "photo image", the "character image", or the "photo and

character image".

7. (Currently Amended) A data transfer method ~~according to claim 4, further~~ of transferring image data comprising the steps of:

detecting the data transfer capability of a transmission channel and a transfer end;

enlarging or reducing the image data at a specific scale;

determining the size of a small region ~~to extract the representative color~~ to be a unit of the image data processing on the basis of the data transfer capability and the specific scale;

[[and]]

changing the compression ratio of the image data by changing the pixel number or the approximate color number included in the small region on the basis of the data transfer capability;

extracting ~~a plurality of representative~~ one or more approximate colors from the determined small region;

compressing the image data by replacing colors in the small region with at least one approximate color based on the changed compression ratio; and

transferring the compressed image data to the transfer end.

8. (Withdrawn) An image data processing method of processing image data per unit of specific small region and approximating colors in the small region by a plurality of representative colors, which comprising the steps of:

converting the image data to a specific resolution;

determining the size of the small region to extracting a representative color corresponding to the specific resolution; and

extracting a plurality of representative colors from the determined small region.

9. (Withdrawn) An image data processing method of processing image data per unit of specific small region and approximating colors in the small region by a plurality of representative colors, which comprising the steps of:

setting a processing mode corresponding to a type of objective original;

determining the size of a small region to extract a representative color or the specific number of representative colors on the basis of the selected processing mode; and

extracting the specific number of representative colors from the small region on the basis of the result of the step of determining.

10. (Withdrawn) An image data processing method according to claim 9, wherein the processing mode is at least one of the "photo image", the "character image", or the "photo and character image"

11. (Withdrawn) An image data processing method of processing image data per unit of specific small region and approximating colors in the small region by a plurality of representative colors, which comprising the steps of:

enlarging or reducing the image data at a specific scale;

determining the size of a small region to extract a representative color based on the specific scale; and extracting a plurality of representative colors from the determined small

region.

12. (Currently Amended) A data transfer system of transferring ~~digital~~ image data comprising:

detecting means for detecting the data transfer capability of a transmission channel and a transfer end;

control means for changing the compression ratio of ~~digital~~ the image data corresponding to the data transfer capability and the processing mode selected by a processing mode setting means for setting image data processing corresponding to a type of objective original;

~~compressing means~~ representative color extracting means for compressing the ~~digital~~ image data by replacing color in a small region to be a unit of the image data processing with at least one approximate color based on the changed compression ratio; and

transferring means for transferring the compressed ~~digital~~ image data to the transfer end.

13. (Currently Amended) A data transfer system according to claim 12 or 18, wherein the control means involves selecting whether the ~~digital~~ image data [[is]] should be compressed or not.

14-16. (Cancelled)

17. (Currently Amended) A data transfer system according to claim [[16]] 12, wherein the type of original is at least one of the "photo image", the "character image", or the "photo and character image".

18. (Currently Amended) A data transfer system ~~according to claim 14 further~~ of transferring image data, comprising:

detecting means for detecting the data transfer capability of a transmission channel and a transfer end;

resolution converting means for enlarging or reducing the image data to a specific scale;

[[the]] control means for determining a size of a small region to be a unit of the image data processing on the basis of the data transfer capability and the specific scale, and changing the compression ratio of the image data by changing the pixel number or the approximate color number included in the small region corresponding to the data transfer capability; ~~the representative color number and the size of small region to extract a representative color based on the transfer capability and the specific scale; and~~

[[the]] representative color extracting means for extracting ~~a plurality of representative~~ one or more approximate colors from the determined small region, and compressing the digital image data by replacing colors in the small region with at least one approximate color based on the changed compression ratio; and

transferring means for transferring the compressed digital image data to the transfer end.

19. (Withdrawn) An image data processor processing image data per unit of specific small region and approximating colors in the small region by a plurality of representative colors comprising:

converting means for converting the image data to a specific resolution;

region determining means for determining the size of a small region to extracting a representative color corresponding to the specific resolution; and

representative color extracting means for extracting a plurality of representative colors from the determined small region.

20. (Withdrawn) An image data processor processing image data per unit of specific small region and approximating colors in the small region by a plurality of representative colors comprising:

processing mode setting means for setting a processing mode corresponding to a type of objective original;

control means for determining the size of a small region to extract a representative color or the specific number of representative colors on the basis of the selected processing mode; and

representative color extracting means for extracting the specific number of representative colors from the small region on the basis of the determination of the control means.

21. (Withdrawn) An image data processor according to claim 20, wherein the processing mode is at least one of the "photo image", the "character image", or the "photo and character image"

22. (Withdrawn) An image data processor processing image data per unit of specific small region and approximating colors in the small region by a plurality of representative colors comprising:

resolution converting means for enlarging or reducing the image data at a specific scale;

control means for determining the size of a small region to extract a representative color corresponding to the specific scale; and

representative color extracting means for extracting a plurality of representative colors from the determined small region.